

### Abstract

The product comprises a sensor (1) via which a measured quantity that corresponds to a reactive resistance can be furnished within a measuring range. The product also comprises a matching network (2) and a surface wave element (3). The sensor (1) is connected to a first reflector (4) of the surface wave element (3) via the matching network (2). The first reflector (4) forms, together with the matching network (2) and the sensor (1), a resonator which, for a value of the measured quantity within the measuring range, has a resonance with regard to a reflection of an acoustic surface wave on the first reflector (4). The invention also relates to a method for determining the measured quantity and to a corresponding system.